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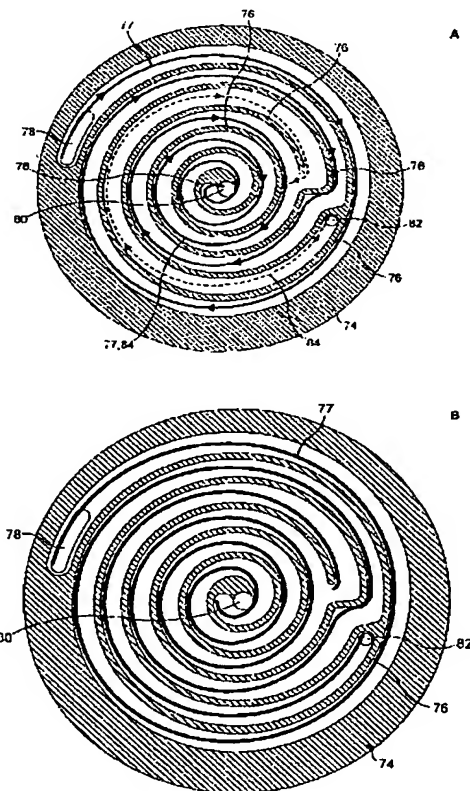
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(54) Title: **SCROLL COMPRESSOR MULTIPLE ISOLATED INLET PORTS**



(57) Abstract: The present invention is concerned with a scroll wall ar-
rangement for a scroll compressor. The scroll wall arrangement com-
prises a fixed scroll having fixed scroll walls and an orbiting scroll hav-
ing orbiting scroll wall. Scroll wall arrangement has an inlet at a radially
outer portion thereof and an outlet at a radially central portion thereof. A
first flow path is defined by the orbiting and fixed scroll walls and extends
from the inlet to the outlet, gas entering the arrangement through inlet at
a first pressure and exhausting through outlet at a second pressure higher
than the first pressure. Scroll wall arrangement comprises a second inlet
through which gas can enter at a third pressure and follow a second fluid
path where it is exhausted through the outlet at the second pressure. Two
flow paths are thus provided having respective inlets. The third pressure
at which gas enters through inlet is different from the first pressure, and
lower than the second pressure. Accordingly, the inlets can pump gas at
different pressures.

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